

## 1 ABSTRACT

2           The invention proposes to examine DNA sequences, particularly glutathione-S-transferase  
3 (GST) sequences and cytochrome P450 (CYP450) sequences, and determine a patient's  
4 propensity to redox imbalance. Prophylactic enhancement of the glutathione pathway is proposed  
5 with or without additional tests. Additionally, storage of DNA sequences on electronic media for  
6 analysis of propensity to disease and comparison with non-defective sequences, and appropriate  
7 treatment is set out. An artificial intelligence algorithm to enable integration and development of  
8 one or more databases to enable diagnosis and treatment is part of the invention. References  
9 based on DNA sequences, particularly defective sequences in an electronic media database with  
10 hyperlinks to information on such defects is referenced.